

SEQUENCE LISTING

<110> Descenzo, Richard

Ireland, Nancy

<120> Lipoxygenase Genes From Vitis Vinifera

<130> 29520/37890

<150> 60/241,220

<151> 2000-10-16

<160> 45

<170> PatentIn version 3.0

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<213> Vitis LOX 1

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35 40 45

Leu Phe Gly Gln Gly Val Ser Leu Gln Leu Val Ser Ala Val His Gly
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Asp Pro Ala Asn Gly Leu Gln Gly Lys Leu Gly Lys Pro Ala Tyr Leu
65 70 75 80

Glu Asp Trp Ile Thr Thr Ile Thr Ser Leu Thr Ala Gly Glu Ser Ala
85 90 95

037352101601

Phe Lys Val Thr Phe Asp Trp Asp Glu Glu Ile Gly Glu Pro Gly Ala
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 Phe Ile Ile Arg Asn Asn His His Ser Glu Phe Tyr Leu Arg Thr Leu
 115 120 125
 Thr Leu Glu Asp Val Pro Gly Arg Gly Arg Ile His Phe Val Cys Asn
 130 135 140
 Ser Trp Val Tyr Pro Ala Lys His Tyr Lys Thr Asp Arg Val Phe Phe
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 Thr Asn Gln Thr Tyr Leu Pro Ser Glu Thr Pro Gly Pro Leu Arg Lys
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 Tyr Arg Lys Gly Glu Leu Val Asn Leu Arg Gly Asp Gly Thr Gly Glu
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 Leu Lys Glu Trp Asp Arg Val Tyr Asp Tyr Ala Tyr Tyr Asn Asp Leu
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 Gly Lys Pro Asp Arg Asp Leu Lys Tyr Ala Arg Pro Val Leu Gly Gly
 210 215 220
 Ser Ala Glu Tyr Pro Tyr Pro Arg Arg Gly Arg Thr Gly Arg Pro Pro
 225 230 235 240
 Ser Glu Lys Asp Pro Lys Thr Glu Ser Arg Leu Pro Leu Val Met Ser
 245 250 255
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 Ser Asp Phe Leu Ala Tyr Ala Leu Lys Ser Ile Val Gln Phe Leu Leu
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 Pro Glu Phe Glu Ala Leu Cys Asp Ile Thr Pro Asn Glu Phe Asp Ser
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0078552-101504

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Lys Met His Thr Val Lys Glu Leu Ile Glu Thr Cys Thr Ile Ile Ile
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Tyr Ala Gly Tyr Leu Pro Asn Arg Pro Thr Ile Ser Arg Arg Phe Met
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